SEQUENCE LISTING

<110>   SANSON, ALAIN
        OCHSENBEIN, FRANCOISE
        DOLLE, FREDERIC

<120>   LABELLED PEPTIDES HAVING AFFINITY FOR A PHOSPHOLIPID AND USES

<130>   263859US0XPCT

<140>   10/518,382
<141>   2004-12-29

<150>   PCT/FR03/02027
<151>   2003-06-30

<150>   FR 02 08204
<151>   2002-07-01

<160>   18

<170>   PatentIn version 3.3

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Gly Phe Asp Glu Arg Ala Asp Val Glu Thr Leu Arg Lys Ala Met Lys
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Gly Leu Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu Leu Thr Ser Arg
            20   25   30

Ser Asn Ala Gln Arg Gln Glu Ile Ser Ala Ala Tyr Lys Thr Leu Phe
        35   40   45

Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe
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Glu Lys Leu Val Val Ala Leu Leu Lys Pro Ser
65   70   75

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Gly Met Gly Val Asp Glu Asp Thr Ile Val Asn Ile Leu Thr Asn Arg
            20                  25                  30


Ser Asn Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr
        35                  40                  45


Lys Arg Glu Leu Ala Ser Asp Leu Lys Ser Glu Leu Ser Gly His Leu
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Glu Arg Val Ile Leu Gly Leu Leu Lys Thr Ser
65                  70                  75
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Asp Phe Ser Pro Ser Val Asp Ala Glu Ala Ile Arg Lys Ala Ile Lys
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Gly Ile Gly Thr Asp Glu Asp Met Leu Ile Ser Ile Leu Thr Glu Arg
            20                  25                  30


Ser Asn Ala Gln Arg Gln Leu Ile Val Lys Glu Tyr Gln Ala Ala Tyr
        35                  40                  45


Gly Arg Glu Leu Lys Asp Asp Leu Lys Ser Glu Leu Ser Gly His Phe
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Glu Arg Leu Met Val Ala Leu Val Thr Pro Ser
65                  70                  75
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Gly Leu Gly Thr Asp Glu Asp Ala Ile Ile Ser Val Leu Ala Tyr Arg
          20   25   30

Asn Thr Ala Gln Arg Gln Glu Ile Arg Thr Ala Tyr Lys Ser Thr Ile
          35   40   45

Gly Arg Asp Leu Ile Asp Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe
     50   55   60

Glu Arg Val Ile Val Gly Met Met Thr Pro Ser
65   70   75

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Gly Phe Gly Ser Asp Glu Glu Ala Ile Leu Asp Ile Ile Thr Ser Arg
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Ser Asn Arg Gln Arg Gln Glu Val Cys Gln Ser Tyr Lys Ser Leu Tyr
          35   40   45

Gly Arg Asp Leu Ile Ala Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe
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Glu Arg Leu Ile Val Gly Leu Met Arg Pro Ser
65   70   75

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Gly Phe Asn Pro Asp Ala Asp Ala Lys Ala Leu Arg Lys Ala Met Lys
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Gly Leu Gly Thr Asp Glu Asp Thr Ile Ile Asp Ile Ile Thr His Arg
          20   25   30

Ser Asn Val Gln Arg Gln Gln Ile Arg Gln Thr Phe Lys Ser His Phe
        35   40   45

Gly Arg Asp Leu Met Thr Asp Leu Lys Ser Glu Ile Ser Gly Asp Leu
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Glu Arg Leu Ile Leu Gly Leu Met Met Pro Ser
65   70   75

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Gly Phe Gly Thr Asp Glu Gln Ala Ile Val Asp Val Val Ala Asn Arg
            20   25   30

Ser Asn Asp Gln Arg Gln Lys Ile Lys Ala Ala Phe Lys Thr Ser Tyr
        35   40   45

Gly Arg Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu Ser Gly Asn Met
    50   55   60

Glu Arg Leu Ile Leu Ala Leu Phe Met Pro Ser
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Gly Ile Gly Thr Asn Glu Gln Ala Ile Ile Asp Val Leu Thr Lys Arg
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Ser Asn Thr Gln Arg Gln Thr Ile Ala Lys Ser Phe Lys Ala Gln Phe

Gly Arg Asp Leu Thr Glu Asp Leu Lys Ser Glu Leu Ser Gly Lys Leu
    50   55   60

Glu Arg Leu Ile Val Ala Leu Met Tyr Pro Ser
65   70   75

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Gly Phe Gly Thr Asp Glu Gln Ala Ile Ile Asp Cys Leu Gly Ser Arg
            20   25   30

Ser Asn Lys Gln Arg Gln Gln Ile Leu Leu Ser Phe Lys Thr Ala Tyr
        35   40   45

Gly Arg Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe
    50   55   60

Glu Lys Thr Ile Leu Ala Leu Met Lys Thr Ser
65   70   75

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Gly Met Gly Thr Asn Glu Ala Ala Ile Ile Glu Ile Leu Ser Gly Arg
            20   25   30

Thr Ser Asp Glu Arg Gln Gln Ile Lys Gln Lys Tyr Lys Ala Thr Tyr
        35   40   45

Gly Arg Glu Leu Glu Glu Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe
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Gly Ser Gly Cys Gly Phe Asp Glu Arg Ala Asp Val Glu Thr Leu Arg
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Lys Ala Met Lys Gly Xaa Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu
                20   25   30

Leu Xaa Ser Arg Ser Asn Ala Gln Arg Gln Glu Ile Xaa Ala Ala Xaa
        35   40   45

Lys Xaa Leu Phe Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Xaa Leu
    50   55   60

Thr Gly Lys Phe Xaa Lys Xaa Val Val Ala Leu Leu Lys Pro Ser
65   70   75

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Ala Met Lys Gly Leu Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu Leu
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Thr Ser Arg Ser Asn Ala Gln Arg Gln Glu Ile Ser Ala Ala Tyr Lys
        35   40   45

Thr Leu Phe Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr
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Gly Lys Phe Glu Lys Leu Val Val Ala Leu Leu Lys Pro Ser
65   70   75

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Thr Leu Arg Lys Ala Met Lys Gly Xaa Gly Thr Asp Glu Glu Ser Ile
            20   25   30

Leu Thr Leu Leu Xaa Ser Arg Ser Asn Ala Gln Arg Gln Glu Ile Xaa
        35   40   45

Ala Ala Xaa Lys Xaa Leu Phe Gly Arg Asp Leu Leu Asp Asp Leu Lys
    50   55   60

Ser Xaa Leu Thr Gly Lys Phe Xaa Lys Xaa Val Val Ala Leu Leu Lys
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Pro Ser Arg

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Ala Asp Val Glu Thr Leu Arg Lys Ala Met Lys Gly Xaa Gly Thr Asp
            20                  25                  30

Glu Glu Ser Ile Leu Thr Leu Leu Xaa Ser Arg Ser Asn Ala Gln Arg
        35                  40                  45

Gln Glu Ile Xaa Ala Ala Xaa Lys Xaa Leu Phe Gly Arg Asp Leu Leu
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Ala Leu Leu Lys Pro Ser Arg
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Val.


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<223> At least 50% of residues 1-6, 9, 10, 13, 14, 21, 23, 24, 26-28, 30-31, 33-36,
38-39, 41-43, 45-49, 51, 53, 54, 61-64, 66-67, 69-71 and 73-75 are polar residues
chosen from Arg, Asn, Asp, Cys, Gln, Glu, Gly, His, Lys, Orn, Pro, Ser, Thr, or Tyr.

<400> 18

Xaa Xaa Xaa Xaa Xaa Xaa Asp Xaa Xaa Xaa Xaa Arg Xaa Ala Xaa Lys
1   5   10   15

Gly Xaa Gly Thr Xaa Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg
        20   25   30

Xaa Xaa Xaa Xaa Xaa Gln Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    35   40   45

Xaa Arg Xaa Xaa Xaa Xaa Asp Xaa Lys Ser Xaa Leu Xaa Gly Xaa Xaa

50   55   60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser
65   70   75